GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL **ELECTOLOGGING REPORT**

Ref No:- 99

Date: 19-11-2022

NAME OF SITE

GRAM PANCHAYAT- Genda Jud

BLOCK- Budhanpur

DISTT-Bijnour

NAME OF AGENCY

LC Infra Projects Pvt. Ltd.- TCEL(JV) Bijnour



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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- GENDA JUD, BLOCK- BUDHANPUR, DISTT- BIJNOUR UNDER JAL JIVAN MISSION

Introduction:

A Deep bore hole was drilled 160 mtrs. depth. and Logged depth 158 mtrs. at above site. Was drilled by M/s LC Infra Projects Pvt. Ltd.- TCEL(JV), Bijnour.

On the request of M/s LC Infra Projects Pvt. Ltd.- TCEL(JV), Bijnour. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 19.Nov.2022.

Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major aquifer formations explored from logging of bore hole combined with the study of Strata Chart prepared from drill cuttings are given in the following table:-

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	rate de montre l'aminate de la compansion d'acte mention de montre dans discourres publica de la ce ^{nt} am aille so <mark>urque</mark>
2.	5 - 10	5	Clay	Now they write a majerial of space in the property of a southern a southern product of the second state of the second sec
3.	10 - 18	8	Fine sand	
4.	18 - 26	8	Clay kankar	territinamien in fassi Aran (g. 1960 and in gester determinent eine stadional stadional travelle and in State of the State
5.	26 - 45	19	Medium sand	Good
6.	45 - 50	5	Kankar	A contract the second of the s
7.	50 - 70*	20	Medium sand	Good
8.	70 - 75	5	Clay kankar	- CONTRACTOR AND CONTRACTOR OF A SECURITY OF A SECURITY AND A SECURITY OF A SECURITY AND A SECURITY OF A SEC
9.	75 - 105*	30	Fine sand	Good
10.	105 - 112	Photo in the contract Librarian color industrial contract of a complete contract representative color of colors and the colors of the colors o	Clay kankar	G not would be an independent. But the first is selected to the first of the selected the first of the first
11.	112 - 136*	24	Medium sand	Good
12.	136 - 160	24	Clay kankar	The state of the s

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Conclusions and Recommendations :-

- 1. The Lithology broadly tallies with that of drill cutting strata chart.
- 2. The zones marked with asterisk (*) appear to be aquifer zones for possible development of tubewell.
- 3. The Quality of water is expected Good.
- 4. It is recommended to have a chemical and bacteriological analysis of the water sample before using it for human consumption or for any other use.
- All projections and recommendations are subject to the inherent limitations of the technique employed and there could be variations as the underground conditions are not always amenable to physical interpretations.

Geophysicist

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